



PhD student position in the Laboratory of Bioinformatics and Protein Engineering

Dr Filip Stefaniak from the Laboratory of Bioinformatics and Protein Engineering <https://genesilico.pl/> at the International Institute of Molecular and Cell Biology in Warsaw is looking for a **PhD student**.

You will join the project entitled “Data-driven Methodology for Predicting, Explaining, and Understanding of RNA and Small Molecule Ligand Binding” carried out as the Opus grant (2025/59/B/NZ2/01768) of the National Science Centre.

Project aim: The project aims to develop DeepLeaRNA, a novel general-purpose computational methodology for predicting, explaining, and designing small-molecule ligands that bind to RNA.

As a **PhD student**, your responsibilities will include data collection and curation, data analysis (structural and numerical), algorithm design and coding, benchmarking of the methods, and the preparation of manuscripts describing the results.

Your role will also include conducting literature reviews to contextualize your findings, actively participating in lab meetings, presenting your work at national and international conferences, and contributing to the writing of research publications and your PhD thesis.

The admissions process is conducted through the Doctoral School website system. The PhD student can apply to this specific project carried out as part of the Warsaw-4-PhD doctoral school via website <https://shorturl.at/cJKQY> (the application system will be activated from 24th of July 2026; deadline for sending application is 7th of August 2026). For more information, please follow the link <https://shorturl.at/mvxOR>

Candidates will be selected according to the procedure complying the rules for granting scholarships for young scientists in research projects funded by the National Science Centre (NCN Council Resolution No. 25/2024 dated March 4, 2024), recruitment procedure for the Warsaw-4-PhD and the procedure complying with the rules of the European Charter for Researchers and the Code of Conduct for the Recruitment of Researchers as a part of HR Excellence in Research Strategy <https://career.iimcb.gov.pl/hr-excellence-in-research/>

Requirements for the candidate:

- Master's degree in bioinformatics, computational biology, biochemistry, chemistry, computer science, or a related field
- Hands-on experience in at least one of the following: Python programming, machine learning, cheminformatics, or structural bioinformatics
- Familiarity with RNA biology, structural biology, molecular biology, organic chemistry, medicinal chemistry, or drug design will be an advantage
- Knowledge of deep learning frameworks (e.g. PyTorch, TensorFlow) will be an advantage
- Written and spoken fluency in English
- Willingness to learn, take on new challenges, and work both independently and collaboratively

- Analytical thinking and good interpersonal skills

We offer:

1. Full-time PhD scholarship 4 years (8 semesters) in amount:
 - a) before the mid-term evaluation 5500 pln net/month;
 - b) after mid-term evaluation 6000 pln net/month
2. Position with 100% focus on research (no teaching obligations)
3. Benefits including reduced-rate for an individual private medical care package and membership in MultiSport programme
4. Full technical, administrative and organizational support from professional English-speaking personnel
5. Participation in courses, scientific training, support from peers, and academic mentoring

Deadline for applications is **7th of August 2026**. The winter semester at the Doctoral School shall begin on **1st of October 2026**.

How to apply:

- Apply via website <https://shorturl.at/cJKQY> (the application system will be activated from 24th of July 2026; deadline for sending application is 7th of August 2026). If you have any enquiries about the recruitment process or the project, please send your request to fstefaniak@iimcb.gov.pl
- Please include the following statement in your email: *"I hereby agree to the processing of my personal data, included in the application documents by the International Institute of Molecular and Cell Biology in Warsaw, 4 Księcia Trojdena Street, 02-109 Warsaw, for the purpose of carrying out the current recruitment process."* Your personal data will be processed for the purpose of the recruitment procedure by the International Institute of Molecular and Cell Biology in Warsaw. Full information is available under the link <https://bit.ly/3UFWpY2>
- Procedure for reporting irregularities, taking follow-up actions, and protecting whistleblowers: <https://shorturl.at/u2mww>



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